

## LOW COST MANUFACTURE OF OLIGOSACCHARIDES

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### ABSTRACT OF THE DISCLOSURE

This invention provides recombinant cells, reaction mixtures, and methods that are useful for the enzymatic synthesis of product saccharides. The recombinant cells contain a heterologous gene that encodes a glycosyltransferase which catalyzes at least one step of the enzymatic synthesis, as well as a system for generating a nucleotide sugar that can serve as a substrate for the glycosyltransferase.

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